Toyota IC Counterbalance Forklift Trucks

The Toyota Tonero Range



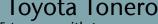


Toyota Tonero

the complete range of engine-powered counterbalance trucks from Toyota Material Handling

Toyota Tonero

Up to 3.5 tonnes with torque converter or hydrostatic transmission







Highly productive and reliable trucks for light to heavy-duty applications

> 1.5 – 3.5 tonnes load capacities Diesel or LPG engines

Torque converter or hydrostatic (Tonero HST) transmission

Toyota Tonero
From 3.5 up to 8.0 tonnes with torque converter transmission





Compact and durable trucks for heavy work or multi-pallet handling

> 3.5 – 8.0 tonnes load capacities Diesel or LPG engines

Torque converter transmission

Fitted as standard with SAS

Toyota unique System of Active Stability continually protects the operator and load when driving, turning and lifting. Greater stability, mast control, driver efficiency and safety.



Swing Lock Cylinder

Provide greater lateral stability when the vehicle turns





The unique System of Active Stability (SAS) is the world's first active system for controlling forklift stability. By protecting the operator and load when driving, turning and lifting, SAS provides advanced technology increasing safety in the workplace and improving productivity. It includes: SAS Swing Lock Cylinder SAS Active Mast Tilt Angle Control, SAS Active Mast Tilt Speed Control, SAS Active Steering Synchroniser and SAS Fork Levelling.



Mast Front Tilt Angle Control

Senses the load weight and mast height to control forward tilt

With SAS







Mast Tilt Speed Control

Controls the mast tiliting speed at height to increase driver protection





With SAS

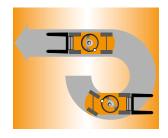
Without SAS

With SAS



Active Steering Synchroniser

The spinner knob on the steering wheel stays synchronised, always returning to the same position





Fork Levelling Control

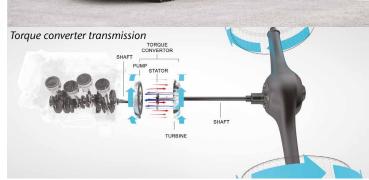
Simplifies loading and unloading. Forks level with the touch of a button

















8FDJF35









● standard ○ option 🤣 available as part of plus package	Safety	Durability	Productivity	Driveability	-G/DF15	-C/DF18	8FG/DKF20	-G/DF20	-G/DF25	-G/DF30 -G/DJF35
Load handling	Š		<u>~</u>	Δ	∞	∞	∞	∞ (∞ o	ō
Wide Visible Mast (V)			_		•	•	•	•	• (•
Full-free (twin cylinder) 2-stage mast (FV)					0	0	0	0	0	0
Full-free (twin cylinder) 3-stage mast (FSV)										0
Hydraulic cushioned forks			ø							0
Hydraulic accumulator										0 0
Fully oil-charged lift cylinder Anti-rust rollers										0 0
Integrated sideshift										0
Hook-on sideshift										
Fork positioner					0	0	0	0	0 0	0
Engine										
LPG Exclusive					•	•	•	•	•	•
LPG Convertible System						0			0 0	
Gasoline version Hydrodynamic transmission					•		-	-	• (0
LPG refillable tank					-	-	-	-		0
High capacity cooling			_							0
Cold weather spec										0
Upswept exhaust					0	0	0	0	0	0 0
Catalytic muffler										0
3way catalytic muffler										0
Cyclone air cleaner										0 0
Pre-cleaner DPF II										0 0
Spark guard net					-	-	-	_		0 0
Radiator screen										0
Transmission protection system										0
High capacity battery			_							0
12V power supply					0	0	0	0	0 0	0
Engine cut off timer					0	0	0	0	0	0
High speed torque converter										0
Hydraulic oil cooler					0	0	0	0 (0	0
Lights and indicators Headlights			_		_					
Rear combination lights					-	-	-			
Flashing beacon					ō	0	0	0	0	0
Lowered flashing beacon					•	•	•	•	•	•
Front combination lights					•	•	•	•	• (•
Rear working light with switch					0	0	0	0	0	0
Key off, headlight off system					0	0	0	0 (0 0	0
Back-up buzzer Body			_		•	•				
Full hydraulic power steering			_		-		•		•	
Adjustable tilt steering column					ĕ	•	•	•	•	
Tilt cylinder boots					•	•	•	•	• (•
Foot operated parking brake					•	•	•	•	• (•
OK monitor					0	0	0	0	0	0
Combination meter including self diagnostic system				-/-	•	-	-	•	•	•
Digital multifunction display (Deluxe)				\$						0 0
Rear-view mirror Panoramic mirror										0 0
Front windshield and roof										0
Cab w/o doors										0
Cab with canvas doors										0
Steel cab					0	0	0	0	0	0 0
Deluxe cabin										0
Seat mounted minilevers				4						0
Seat mounted multifunction levers Toyota ORS seat (Operator Restraint System) (vinyl)				7"	-	0	-	-	-	0
Fabric ORS seat					•					
Swivel seat			ø							0
Rear assist grip with horn button			s s							0
D2 pedal										0
Long life coolant 50%					•	•	•	•	•	•
Talanannia stannia a salu					_	-	-	-	-	0 0
Telescopic steering column										0 0
High overhead guard (+125 mm) + high comfort seat										0 0
High overhead guard (+125 mm) + high comfort seat Max speed and acceleration reduction with lifted load	\$ \$									0 0
High overhead guard (+125 mm) + high comfort seat Max speed and acceleration reduction with lifted load Max drive speed setting					\sim					
High overhead guard (+125 mm) + high comfort seat Max speed and acceleration reduction with lifted load Max drive speed setting Load weight indicator	\$\frac{1}{4^2}\$					0				
High overhead guard (+125 mm) + high comfort seat Max speed and acceleration reduction with lifted load Max drive speed setting Load weight indicator Safety features	\$ \$ \$				0	•	•			
High overhead guard (+125 mm) + high comfort seat Max speed and acceleration reduction with lifted load Max drive speed setting Load weight indicator	\$\display \text{\$\display}\$				•	•	•	•	• •	•
High overhead guard (+125 mm) + high comfort seat Max speed and acceleration reduction with lifted load Max drive speed setting Load weight indicator Safety features Toyota SAS (System of Active Stability) Operator Presence Sensing System (OPS) Tyres	\$\displays{c}\$				•	•	•	•	• •	•
High overhead guard (+125 mm) + high comfort seat Max speed and acceleration reduction with lifted load Max drive speed setting Load weight indicator Safety features Toyota SAS (System of Active Stability) Operator Presence Sensing System (OPS) Tyres Pneumatic shaped cushion tyres	\$\displays{c}\$				•	•	•	•	• (
High overhead guard (+125 mm) + high comfort seat Max speed and acceleration reduction with lifted load Max drive speed setting Load weight indicator Safety features Toyota SAS (System of Active Stability) Operator Presence Sensing System (OPS) Tyres	<i>₽</i>				•	•	•		• (

Toyota Tonero up to 3.5 tonnes engine-powered trucks with torque converter transmission

Toyota Tonero – a versatile family of IC counterbalance forklifts suitable for all applications up to 3.5 tonnes from light to intense use, and featuring industrial engines, hydrodynamic transmission, unmatched stability and outstanding all-round visibility. Powerful, reliable and durable.

Toyota SAS

The unique System of Active Stability (SAS) is the world's first active system for controlling forklift stability. By protecting the operator and load when driving, turning and lifting, SAS provides advanced technology increasing safety in the workplace and improving productivity. It includes: SAS Active Mast Tilt Angle Control, SAS Active Mast Tilt Speed Control, SAS Fork Levelling, SAS Active Steering Synchroniser, SAS Swing Lock Cylinder.

See page 3 for details

Toyota industrial engines

All Toyota engines are built in-house, for quality and long-term reliability. They are specifically designed for industrial applications and allow quick acceleration and optimised fuel efficiency. There is a choice between diesel and LPG engines. The diesel range offers 2 engines: 1DZ-III for most applications, or the 3Z when more power is needed, for example when working in harsh environment, or with heavy attachments.

Torque converter transmission

Torque converter models offer a smooth overall driving experience by powerful acceleration and the possibility of coasting, easy direction change, single speed transmission, and no gearshift.

Outstanding driver experience

Excellent visibility: through the mast, the overhead guard, and all-round due to the design of the chassis and dashboard. Plus the benefit of a comfortable and spacious workspace, boosting productivity.

TPS-based reliability

Like all Toyota trucks, Toyota Tonero trucks are built according to the Toyota Production System (TPS), assuring the highest levels of quality, durability and reliability.



- Load weight indicator helps prevent unsafe overloading
- Adjustable, comfortable and safe ORS seat

Load capacity: 1.5, 1.75, 2.0, 2.5, 3.0, 3.5 t @ 500 mm load centre

Maximum lift height: 7.0 m

Engine choice: 1DZIII (diesel – 36kW) 3Z (diesel – 42kW) 4Y (LPG – 38kW)















● standard ○ option Load handling Wide Visible Mast (V) Full-free (twin cylinder) 2-stage mast (FV) Ō 00 00000 Full-free (twin cylinder) 3-stage mast (FSV) Hydraulic cushioned forks Hydraulic accumulator Fully oil-charged lift cylinder Anti-rust rollers Integrated sideshift 00000 Hook-on sideshift Fork positioner Engine Diesel version Gas Version Hydrostatic transmission 00000 Úpswept exhaust Catalytic muffler Pre-cleaner 00 00000 Spark guard net High capacity alternator, 60A High capacity battery 12V power supply Lights and indicators Headlights Rear combination lights Flashing beacon Lowered flashing beacon Front combination lights Rear working light with switch Key off, headlight off system 00000 Back-up buzzer Full hydraulic power steering Adjustable tilt steering column Tilt cylinder boots Foot operated parking brake OK monitor Combination meter including self diagnostic system Digital multifunction display (Deluxe) Ō Ō Rear-view mirror 00000 Panoramic mirror Front windshield and roof 000000 Cab w/o doors Cab with canvas doors Steel cab 000 Seat mounted minilevers 0 00 Seat mounted multifunction levers 00 Toyota ORS seat (Operator Restrain System) (vinyl) • \bullet \bullet \bullet Fabric ORS seat 00000 Swivel seat Rear assist grip with horn button 0000 Electric wet disc parking brake Long life coolant 50% 00000 Double accel pedal 00000 Max speed and acceleration reduction with lifted load Telescopic steering column High overhead guard (+125 mm) + high comfort seat 000000 Toyota SAS (System of Active Stability) Operator Presence Sensing System (OPS) Pneumatic shaped cushion tyres \bullet \bullet \bullet \bullet Special applications Cold environment version (hydraulic oil VG32) 000000 Dusty environment spec

Toyota Tonero HST

2.0 to 3.5 tonnes engine-powered trucks with hydrostatic transmission

Toyota Tonero — a versatile family of IC counterbalance forklifts suitable for all applications up to 3.5 tonnes from light to intense use, and featuring industrial engines, hydrostatic transmission, unmatched stability and outstanding all-round visibility. Powerful, reliable and durable, these trucks are available for drivers preferring automatic braking when releasing the accelerator.

Toyota SAS

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See page 3 for details

Toyota industrial engines

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Hydrostatic transmission

To suit driver preference or customer operation the hydrostatic (HST) version offers an alternative to the torque converter version by delivering powerful engine braking and acceleration with pre-set driving parameters, quick direction change, independent lift and drive functionality, an electrical parking brake and 'stop-on-ramp' functionality.

Outstanding driver experience

Excellent visibility: through the mast, the overhead guard, and all-round due to the design of the chassis and dashboard. Plus the benefit of a comfortable and spacious workspace, boosting productivity.

TPS-based reliability

Like all Toyota trucks, Toyota Tonero trucks are built according to the Toyota Production System (TPS), assuring the highest levels of quality, durability and reliability.



- Minilevers in the armrest are intuitive and easy to use
- Superior upward visibility aids safety and productivity
- Power mode switch allows quick performance adaptation
- Choice of pedal layouts to suit any application (double pedal layout shown)
- Easy access for maintenance maximises uptime

Load capacity: 2.0, 2.5, 3.0, 3.5t @ 500 mm load centre

Maximum lift height: 7.0 m

Engine: 1DZIII (diesel – 36kW)















● standard ○ option Load handling Wide Visible Mast (V)
Full-free (twin cylinder) 2-stage mast (FV) 00 Full-free (twin cylinder) 3-stage mast (FSV) 00000 000000 Heavy duty mast Fully oil charged lift cylinder Heavy duty hydraulic accumulator Hook-on sideshift 00000 Engine LPG exclusive . . . Gasoline version 000 LPG convertible (Z3) 000 LPG bracket (swing-down type) Hydrodynamic transmission 0 000 . . . Travel speed limitation control • • Overheat-detection engine-output limiter . . . Radiator screen \bullet Torque converter oil cooler High capacity cooling 000000 Upswept exhaust 00000 3-way catalytic converter Pre-cleaner 0000 000000 Plate fin radiator 00000 LPG warning indicator Cooling fan booster 000000 High capacity alternator, 80A 000000 High capacity battery 000000 Transmission protection system Lights and indicators 00000 Headlights with guard Rear combination lights Front combination lights LED head lights 000000 Rear working light 000000 Key off, headlight off system 000000 Back-up buzzer Full hydraulic power steering with load sensing Adjustable tilt steering column 00000 OK monitor 0 Combination meter including self diagnostic system 0000000 Digital multifunction display (Deluxe) Rear view mirror Front windshield & roof Cab w/o doors 000000 Cab with canvas doors Steel cab 0000000 Heater High spec heater 000000 0000000 Defroster Minilevers Multifunction levers Toyota ORS seat (Operator Restraint System)
Fabric ORS seat 000000 Seat with air suspension Swivel seat Rear assist grip D2 pedal 000000 Long life coolant 50% Telescopic steering column 00000 Low height headguard (2200 mm) 00000 +75 mm overhead guard & comfort seat 000000 Safety features Toyota SAS (System of Active Stability) Operator Presence Sensing System (OPS) Tyres Pneumatic shaped cushion tyres Pneumatic tyres 000000 Special applications Cold weather spec 00000



Toyota Tonero
3.5 to 8.0 tonnes engine-powered trucks with torque converter transmission

Powerful and precise in all applications, the Toyota Tonero higher tonnage family takes productivity to a new level. Designed to move loads up to 8 tonnes with ease, they are built for intensive operation, multi-load handling or for use with heavy attachments.

Toyota SAS

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Toyota industrial engines

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Durable partner

A strong steel frame and overhead guard increases protection of the driver and a robust dual stage torque converter ensures high durability and starting force with no gearshift. Highly efficient cooling ensures a long working life for key components and keeps productivity high in tough working conditions.

Outstanding driver experience

Excellent visibility: through the mast, the overhead guard, and all-round due to the design of the chassis and dashboard. Plus the benefit of a comfortable and spacious workspace, boosting productivity.

TPS-based reliability

Like all Toyota trucks, Toyota Tonero trucks are built according to the Toyota Production System (TPS), assuring the highest levels of quality, durability and reliability.



- Eco mode option optimises fuel efficiency
- consistent performance in all environments

Load capacity: 3.5, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0 t @ 600 mm load centre

Maximum lift height: 6.0 m

Engine choice: 1KD (diesel – 55kW) 1FS (LPG/gasoline – 63kW)





How we plan your operation

Toyota Material Handling has a clear approach to create effective and profitable relationships:

- Your local sales contact is your trusted business advisor for all handling and logistics operations, to support your activities at both the planning and operational phases
- Our challenge is to analyse and understand your requirements and find efficient handling solutions – in short to fulfil our commitment to 'Kaizen' – which means continuous improvement
- A complete range of Toyota products counterbalance forklifts, hand pallet trucks, powered warehouse trucks, tow tractors and automated solutions

Financial options

A choice of financial options to suit your exact needs, including finance lease and fully-inclusive long term rental programmes

Quality approved used trucks are also available giving Toyota build-quality at a very competitive cost level

Forward planning with short-term hire options to handle peak periods of activity

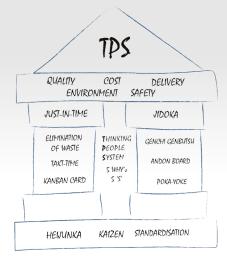
How we build quality trucks

The Toyota Production System has a worldwide reputation for manufacturing quality products:

- Having identified the right equipment for your operations, you can be confident that it will be manufactured to the highest quality standards

 that means reliability
- TPS is built around a process of continuous improvement (Kaizen) which is achieved by following a clear set of values
- All trucks are produced to ISO 14001 quality standards, ensuring minimum environmental impact
- Furthermore, one of the driving values within TPS is the elimination of waste at every stage of the process
- Over 90% of trucks sold by Toyota Material Handling in Europe are built within our European factories in Sweden, France and Italy

Toyota Production System – the strong foundation for quality in manufacturing









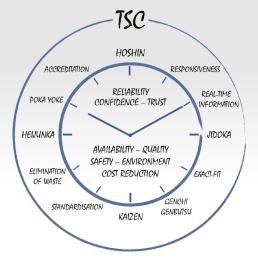


Taking care of you and your trucks

The Toyota Service Concept (TSC) has been developed on TPS principles and is unique in the industry:

- Service means total lifetime support maintenance, repairs, Thorough Examination, back-up with extra trucks, driver training and management information
- Real-time information is one of the core values that makes Toyota's service concept unique. It means everyone in the process has instant on-line access to updated, integrated information – technical support, truck history, parts, truck availability and data for effective time and route planning
- TSC also means exact-fit in terms of parts and people, with structured training and accreditation processes
- Smart truck telemetry with GPRS/3G communication is also unique to Toyota, and available on almost every truck we produce. This allows better safety standards including driver management. With Toyota I_Site, complete fleet control for improved safety, efficiency and cost reduction is a reality

Toyota Service Concept – for unique, forward-thinking lifetime support







RELIABILITY CONFIDENCE AVAILABILITY PRODUCTIVITY QUALITY SAFETY

These are the expectations of our customers, alongside cost efficiency, sustainability and respect for the environment.

We check these expectations by regularly talking to truck users in the UK through surveys, sales discussions and over 300,000 service visits every year.

We work with customers from one-off users up to the largest fleet operations.

Because our network extends across the UK we are always local.

Understanding customer needs is at the heart of our operations.

We call it CUSTOMER FIRST.

This page describes the unique processes that we follow, from working with you to plan your handling requirements, through building high quality reliable products, then delivering the best possible lifetime support.

For more information about:

- Toyota Production System (TPS)
- Toyota Service Concept (TSC)
- Finance and rental plans
- Service and parts support
- Smart truck technology
- Toyota I_Site fleet management
- Environment & sustainability policies

please ask your Toyota representative, or visit www.toyota-forklifts.co.uk

One call takes care of all your materials handling needs



New & used trucks 0870 850 1409



National service 0870 850 1402



Short-term hire 0870 850 1403



Parts support 0870 850 1404



Operator training 0870 850 1405



Toyota Material Handling UK

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